
Analytical Abstracts

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Abstracts

Volume 1, Number 1, 1971

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Introduction to the Index

Subject Index

The alphabetically ordered subject index contains entries based on the most important subjects mentioned in the title and abstract. Word-by-word alphabetisation is used for the bold subject headings, hyphenated words being treated as single entries. Repetition of words or phrases that occur in preceding entries is avoided by the use of indentation.

The main principles of the indexing system are illustrated in the following typical entries:

- ① **Biological tissues**, see also under *Plants*, and under names of specific tissues
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 - ② **Plants**, see also *Algae*; *Cereals*; *Fungi*; *Vegetables*
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- ① Abstracts are indexed under the most specific heading that can be assigned on the basis of the title and abstract text. **Biological tissues** is a general heading; such a heading is used either because no specific tissue is named, or because the abstract indicates the general applicability of the subject matter to all or most tissues. An abstract on a specific tissue should be looked for under the name of that tissue. "See also" references direct the user to closely related subjects—in this case **Plants**.
 - ② **Plants** is also a general heading. "See also" references direct to other more specific headings, which must also be searched for complete retrieval.
 - ③ References to *Cosmetics*, *Dyes*, *Enzymes*, miscellaneous *Optical devices* and minor items of *Laboratory apparatus* will be found under these general headings. Thus, "Amidase" will be found under **Enzymes, specific**.
 - ④ "Aliesterase" is also referred to **Enzymes, specific**, but is then referred to "Carboxylesterase", which is the name used in *Analytical Abstracts*.
 - ⑤ Organic compounds are, in general, indexed under the parent compounds, except under the headings **Indicators** and **Reagents, organic**, and the lists of reagents under specific elements. Esters and salts of organic acids are, in general, indexed under the names of their acid constituents. Each compound has only one main entry, which is usually a systematic name, and synonymous names are cross-referred to the main entry. Capital-letter abbreviations such as **BHT** are grouped at the beginning of the alphabetical sections corresponding to the initial letter.
 - ⑥ The letter B or C following the abstract number indicates that the item refers to a book or conference paper, respectively.

Author Index

The names of all authors are listed alphabetically, and prefixes are treated as part of the surname; letter-by-letter alphabetisation is used.

The German ä, ö and ü and the Danish or Norwegian ø have been rendered as ae, oe, ue and oe, respectively. Books are indicated by B after the abstract number.

Errata

Some errata subsequently published in the journals abstracted are included in the following list. When the initials of given names in the Author Index and in the abstracts do not agree, the Index should be assumed to be correct.

Vol. 30, 1976

Abstract

No.	Line	
5J17	5	or 1976 read 1975

Vol. 39, 1980

Abstract

No.	Line	
4F56	13	for Dinek read Diener

Vol. 40, 1981

Index, p. A56, for Van't, D. L. read Van't Dack, L.

Abstract

No.	Line	
1B16	1	for XVI. read XVII.
3H119	3, 4	the authors' names should be Hsu, Chung-Gin; Hu, Chao-Sheng; and Jing, Ji-Hong

Appropriate modification should be made to the Author Index.

Vol. 41, 1981

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No.	Line	
1B87	14	for 2mm-Cl ⁻ or I-Br ⁻ read 2mm-Cl ⁻ or -Br ⁻
1D64	11	for 01-N-H ₂ SO ₄ read 0.1N-H ₂ SO ₄
1D175	4	this line should read Capelli, Maurizio; Festi, Davide; Sama, Claudia;
1D209	21	insert with after II
1E36	4	for Beryland, read Berlyand,
1F12	13	for NaCO ₃ read NaHCO ₃
1F36	2	for Hilleroed read Hilleroed
1F37	21, 22	for 3,3'-iminobis(propylamine) read 3,3'-iminobis(propylamine)
1G12	6	for positions read positrons
1H70	6	for Jager, W. read Jaeger, W.
1J103	10	delete and
1J103	11	insert and after Copenhagen),
2E39	3	for Lofly, P. A. read Lotfy, P. A.
2F48	4	for Auguston, J. H. read Augustson, J. H.
3B133	4	for Airyan, E. Kh. read Airiyan, E. Kh.
3B137	3	for Volk, P. read Volke, P.
3B186	11	for ferrin read ferriin
3B245	4	for Leikokskaya, G. P. read Leikovskaya, G. P.
4B23	20	insert or after cyclohexanol
4D197	8	for hydroxy- read hydro-
4E56	5	for Moffat, D. J. read Moffatt, D. J.
4F43	3, 4	for Bennet, Casey W. read Bennett, Casey W.
5B56	5	for Ogatta, Toshio read Ogata, Toshio
5C65	8	insert) after peculiarities
5D106	3	for Hikada, Kozo read Hikida, Kozo
5D225	15	insert of before cholesterol
5D290	16	for 2M-I read 2mm-I
5F8	3	for Hellweg, Egon read Hellwig, Egon
5J27	16	for 1D157 read 6D174
6B34	2	for Melottee, Henry read Mellottee, Henry
6B130	20	insert) after porphine
6D77	16	insert (after were
6E7	3	for Pujol, Forn, M. read Pujol Forn, M.
6J71	3	for Ruskaov, S. L. read Rusakov, S. L.
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alizarin. *Mordant Red 11*

Alizarin red S. *Mordant Red 3*

amaranth. *Acid Red 27* or *Food Red 9*

Amido black 10B. *Acid Black 1*

aniline blue. *Acid Blue 20*

Astra Phloxine G. *Basic Red 12*

Astrazone red violet 3R. *Basic Violet 16*

auramine G. *Basic Yellow 3*

auramine O. *Basic Yellow 2*

Azocarmine B. *Acid Red 103*

Azocarmine G. *Acid Red 101*

basic fuchsin. *Basic Violet 14*

Brilliant black BN. *Food Black 1*

Brilliant cresyl blue. No. 51010

Brilliant green. *Basic Green 1*

butter yellow. *Solvent Yellow 2*

butylrhodamine B. *Basic Violet 10*, *butyl ester*

Capri blue. No. 51015

carminic acid. *Natural Red 4*

Celestine blue. *Mordant Blue 14*

Chromal blue G. *Mordant Blue 55*

Chrome Azurol S. *Mordant Blue 29*

Cochineal red. *Acid Red 18*

Coomassie blue. *Acid Blue 90*

Coomassie blue G. *Acid Blue 102*

Coomassie Brilliant blue G250. *Acid Blue 90*

Coomassie Brilliant blue R250. *Acid Blue 83*

crystal violet. *Basic Violet 3*

curcumin. *Natural Yellow 3*

eosin. *Acid Red 87*

Eriochrome Azurol B. *Mordant Blue 1*

Eriochrome cyanine R. *Mordant Blue 3*

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Fast Black K. *Azoic Diazo Component 38*

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 Lissamine green B. *Acid Green* 50
 malachite green. *Basic Green* 4
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 Serva blue G. *Acid Blue* 90
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 toluylene blue. No. 49410
 Tropaeolin OOO. *Acid Orange* 7
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3,6-bis-(4-chloro-2-phosphonophenylazo)chromotropic acid, 1B109, 3B88, 4B49, 6B74
4-{4-[bis-(4-dimethylaminophenyl)hydroxymethyl]-3-methyl-5-oxo-2-pyrazolin-1-yl}benzenesulphonic acid NH_4^+ salt, 1A16
4,4'-bis(dimethylamino)thiobenzophenone, 4B32, 4B43
2,4-bis-(6-diphenyl-1,2,4-triazin-3-yl)pyridinetetra-sulphonate, 4D49
NN'-bis-(2-hydroxybenzyl)ethylenediamine-NN'-diacetic acid, 6B158
7,16-bis-(2-hydroxy-5-nitrobenzyl)-1,4,10,13-tetraoxa-7,16-diazacyclo-octadecane, 4D30
bis-(4-hydroxypent-2-ylidene)diainoethane [4,4'-ethylenedi-iminobis(pent-2-en-2-ol)], 1B33
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9-(5-bromo-2-hydroxyphenyl)-2,6,7-trihydroxy-xanthen-3-one, 1B52, 4H68
5-bromomethyl-2,3,6-trimethylpyrazol[1,2-a]-pyrazole-1,7-dione, 5D178
5-bromosalicylfluorone [9-(5-bromo-2-hydroxyphenyl)-2,6,7-trihydroxyxanthen-3-one], 1B52, 4H68
4-(5-bromothiazol-2-ylazo)catechol, 3B140
4-bromo-N-(o-tolyl)benzohydroxamic acid, 2B131
calcion IREA [3-(8-hydroxy-7-(8-hydroxy-3,6-disulpho-1-naphthylazo)-3,6-disulpho-1-naphthylazo)-chromotropic acid], 5C99
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4-(5-chloro-2,3-dihydroxy-4-pyridylazo)benzenesulphonic acid, 5B160, 6F47
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5-chloro-7-iodoquinolin-8-ol, 3B171
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- N-4-chlorophenylbenzohydroxamic acid, 4B128
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4-chloro-N-phenylcinnamohydroxamic acid, 1B65, 1B150
N-4-chlorophenyl-2-furohydroxamic acid, 4B71
N-(4-chlorophenyl)-4-methoxybenzohydroxamic acid, 4B173
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6-(4-chloro-2-phosphonophenylazo)-3-(3-nitrophenylazo)chromotropic acid, 3B86
4-(5-chloro-2-pyridylazo)-m-phenylenediamine, 4B176
5-(5-chloro-2-pyridylazo)toluene-2,4-diamine, 4H90
N²-(5-chloro-o-tolyl)-N¹-hydroxy-N¹-m-tolyl-p-toluamide hydrochloride, 5B125
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N-cinnamoyl-N-p-methylphenylhydroxylamine (N-p-tolylcinnamohydroxamic acid), 1B111
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3-diethylamino-2-[3-(1-methyl-2-piperidyl)-2-pyridylazo]phenol, 5B173
5-diethylamino-2-(2-thiazolylazo)phenol, 1B153
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2,4-dihydroxybenzoic acid, 3B190
4,4'-dihydroxybenzophenone thiosemicarbazone, 5B174
4,5-dihydroxycoumarin, 4B108
6,6'-dihydroxy-2,2'-dinaphthyl disulphide, 4D268
3,7-dihydroxyflavone, 5B102
3,5-dihydroxy-6-mercapto-1,2,4-triazine, 1B121
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2,4-dimethoxy-N-p-tolylbenzohydroxamic acid, 3B167
4-(4-dimethylaminophenylazo)benzenesulphonyl chloride, 1D194
dimethylaminophenylfluorone (9-dimethylaminophenyl-2,6,7-trihydroxyxanthen-3-one), 6B175

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 15-(4,6-dinitro-*aaa*-trifluoro-*o*-tolylamino-2,3,5,6,8,9,11,12-octahydrobenzo-1,4,7,10,13-pentaacyclopentadecine, 6B36
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 di-2-pyridyl ketone phenylhydrazone, 6B187
 di-2-pyridyl ketone 2-pyridylhydrazone, 5B33
 di-2-pyridyl ketone 2-quinolylhydrazone, 5B178
 di-2-pyridyl ketoxime, 5B151
 [di-(2-pyridyl)methylidenediazirino]benzene
 [di-2-pyridyl ketone phenylhydrazone], 6B187
 2,2'-[7,7'-(2,2'-disulphostilbene-4,4'-diylazo)]bis-(1,8-dihydroxy-3,6-disulpho-2-naphthylazo)]bis-(benzenearsonic acid), 1D41
 2,4-diethioburet, 5B138
N-(dithiocarboxy)sarcosine, 1B35
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 4,4'-ethylenedi-iminobis(pent-2-en-2-ol), 1B33
 3,3'-ethylenedinitrilobis(butan-2-one) dioxime, 5B172
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 4,4'-heptylidenebis-(5-methyl-2-phenylpyrazolin-3-one), 2B28
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H-resorcinol [4-(2,4-dihydroxyphenylazo)-5-hydroxy-naphthalene-2,7-disulphonic acid], 1B51
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 3-hydroxybenzopyran-4-one, 5B112
 3-hydroxychromone (3-hydroxybenzopyran-4-one), 5B112
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 5-hydroxy-4-(2,4-dihydroxyphenylazo)naphthalene-2,7-disulphonic acid, 3H47
 2'-hydroxy-3',5'-dimethylacetophenone, 3B91
 8-hydroxy-5,7-dinitronaphthalene-2-sulphonic acid, 2E48
 5-(2-hydroxy-3,5-dinitrophenylazo)quinolin-8-ol 1-oxide, 1B163
 3-(8-hydroxy-7-(8-hydroxy-3,6-disulpho-1-naphthylazo)-3,6-disulpho-1-naphthylazo)chromotropic acid, 5C99
 1-[2-hydroxy-5-(2-hydroxyethylsulphonyl)phenylazo]-2-naphthol, 5B37
 5-hydroxy-2-(hydroxymethyl)-[3-(1-methyl-2-piperidyl)-2-pyridylazo]-4*H*-pyran-4-one, 5B34
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 2-hydroxy-4'-methylpropionophenone oxime, 1B151
 2-hydroxy-1-naphthaldoxime, 2B145
 8-hydroxynaphthalene-3,6-disulphonic acid-(1-azo-1)-2,4-resorcinol[5-hydroxy-4-(2,4-dihydroxyphenylazo)-naphthalene-2,7-disulphonic acid], 3H47
 4-hydroxy-3-nitronaphthalene-1-sulphonic acid, 5B153
 4-hydroxy-4'-n-nonylbenzophenone oxime, 6B40
 2-hydroxy-5-n-nonylbenzophenone oxime, 6B40
 3-(2-hydroxyphenyl)-2-mercaptoacrylic acid, 4B103
 3-hydroxypicolinaldoxime, 3B207
 2'-hydroxy-4'-propoxypropionophenone oxime, 6B37
 [hydroxy-(3-pyridyl)methyl]phosphonic acid, 3B141
 8-hydroxyquinoline-5-sulphonic acid, 3B66
 4-hydroxy-5-salicylideneaminonaphthalene-2,7-disulphonic acid, 5D50, 5G8
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 2-imino-5-phenyloxazolidin-4-one, 6B21
 2-(4-iodophenyl)-3-(4-nitrophenyl)-5-phenyl-2*H*-tetrazolium chloride, 3D143
iso-BAHP [2-hydroxy- α -(isobutylamino)benzylphosphonic acid ethyl ester], 6E69, 6E70
 KTADAF [5-(4-diethylamino-2-hydroxyphenylazo)-1,2,4-triazole-3-carboxylic acid], 3B57
 22-kosh [7,16-bis-(2-hydroxy-5-nitrobenzyl)-1,4,10,13-tetraoxa-7,16-diazacyclo-octadecane], 4D30
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 lumogallion [5-chloro-3-(2,4-dihydroxyphenylazo)-2-hydroxybenzenesulphonic acid], 3C76, 4G2
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N-(2-methoxyphenyl)cinnamohydroxamic acid, 1B111
 4-methoxy-*m*-phenylenediamine, 5C55
N-*p*-methoxyphenyl-2-furohydroxamic acid, 1H45
 5-methoxy-2-(2-pyridylazo)phenol, 3B224
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N-methylanabasine- α' -azodiethyl-*m*-aminophenol [3-diethylamino-2-[3-(1-methyl-2-piperidyl)-2-pyridylazo]phenol], 5B173
 methylanabasine- α' -azo-kojic acid (5-hydroxy-2-(hydroxymethyl)-[3-(1-methyl-2-piperidyl)-2-pyridylazo]-4*H*-pyran-4-one), 5B34
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 3-methylbenzothiazolin-2-one hydrazone, 1C55, 3E29
 2-methylcyclohexane-1,3-dione bis-(4-phenyl-3-thiosemicarbazone), 3A20
 4,4'-methylenebis(*NN'*-dimethylaniline), 3A16
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 3-methyl-1-phenyl-4-(phenylazo)pyrazole-5-thiol, 4B20
 5-(6-methyl-2-pyridylmethylene)-2-thiohydantoin, 2B48
 6-(4-methylsalicylideneamino)-*m*-cresol, 2B53
 4-methyltetrahydrobenzofuranol[6,7-*b*]counarin (4-methyl-6,7,8,9-tetrahydrobenzofuro[3,2-*g*]-1-benzopyran-2-one), 2B180
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- α -naphthoflavone [2-phenylnaphtho[1,2-*b*]pyran-4-one], 1H17
 4,4',4'-nitrotris(aniline), 4H27
 2-(5-nitro-2-furyl)benzothiazole, 2B160
 1-(4-nitrophenyl)-3-[4-(4-sulphophenylazo)phenyl]-triazene Na salt, 1H67
 4-(4-nitro-2-thiazolylazo)resorcinol, 4B50
 PBOH [2,2'-pyridil bis-(2-quinolyldiazone)], 5B177
 PMBP (4-benzoyl-3-methyl-1-phenylpyrazolin-5-one), 2B7, 3B166, 3B217
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 phenanthrenequinone monosemicarbazone, 3B229, 4B181
 NN'-*p*-phenylenebis-(2-naphthylamine), 5C13
 3,3'-*o*-phenylenedinitrilobis(butan-2-one) dioxime, 5B172
 phenylglyoxal 4-diethylaminoanil, 1B165, 5B42
 2-phenylnaphtho[1,2-*b*]pyran-4-one, 1H17
 4-(3-phenyl-2-pyrazolin-1-yl)benzenesulphonyl chloride, 5D323
 1-phenyl-3-thiobenzoyl thiocarbamide (3-phenyl-1-thiobenzoyl-2-thiourea), 3B40, 6B179
 3-phenyl-1-thiobenzoyl-2-thiourea, 3B40, 6B179
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 phthaloxon S {3,3'-bis[bis(carboxymethyl)amino-methyl]phenolsulphonphthalein}, 1D43
 picolinaldehyde amidinohydrazone, 3A19
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 pyrazolone-5-(4-azo-1')-2',3'-oxynaphthoic acid (4-anti-pyridylazo-3-hydroxy-2-naphthoic acid), 5B51
 2,2'-pyridil bis-(2-quinolyldiazone), 5B177
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 3-(2-pyridylcarbonyl)benzenesulphonic acid thiosemicarbazone, 5B154
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 resorcyldaldehyde aminoguanidine (2,4-dihydroxybenzaldehyde amidinohydrazone), 6B38
 β -resorcylic (2,4-dihydroxybenzoic) acid, 3B190
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 salicylic vanillylidenediazide, 3B87
 4-(salicylideneamino)antipyrine, 4B75
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 sulphadimethoxine salicylaldehyde [N-(2,6-dimethoxypyrimidin-4-yl)-4-(salicylideneamino)-benzenesulphonamide], 4B120
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p-sulphobenzeneazo-4-(2,3-dihydroxypyridine) [4-(2,3-dihydroxy-4-pyridylazo)benzenesulphonic acid], 5B161, 6F47

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- 2-(3'-sulphobenzoyl)pyridine [3-(2-pyridylcarbonyl)-benzenesulphonic acid] thiosemicarbazone, 5B154
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 NNN'N'-tetraethylthiuram disulphide, 5D42
 5,10,15,20-tetrakis-(1-methylpyridinium-4-yl)porphine, 3B60
 5,10,15,20-tetrakis-(4-sulphophenyl)porphine, 3B67
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 meso-tetra-(4-sulphophenyl)porphyrin [5,10,15,20-tetrakis-(4-sulphophenyl)porphine], 3B67
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 4-(2-thiazolylazo)catechol, 1B98
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 triaminotriphenylamine [4,4',4'-nitrotris(aniline)], 4H27
 (1,2,4-triazol-3-ylazo)-2-naphthol, 3B64
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 2,6,7-trihydroxy-9-(2-hydroxyphenyl)xanthen-3-one, 4B123, 4B129, 4B207, 4E69
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